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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/548,942	04/13/2000	Warren M. Farnworth	4161US (98-1265)	6934
7590 07/25/2005			EXAMINER	
Joseph A Walkowski Trask Britt & Rossa P O Box 2550 Salt Lake City, UT 84110			LEE, BENNY T	
			ART UNIT	PAPER NUMBER
			2817	

DATE MAILED: 07/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE  
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EXAMINER'S ACTION

ARTICLE 171

- ☐ This application has been examined ☒ Responsive to communication filed on 10 May 2005 ☒ This action is made final.

A shortened statutory period for response to this action is set to expire Three (3) month(s), 30 days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892.        | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.                  |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.             | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474. | 6. <input type="checkbox"/>   |

Part II SUMMARY OF ACTION

1. ☒ Claims 24-31 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☒ Claims 1-23 have been cancelled.
3. ☐ Claims \_\_\_\_\_ are allowed.
4. ☒ Claims 24-30; 31 are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_ Under 37 C.F.R. 1.84 these drawings are ☐ acceptable; ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been ☐ approved by the examiner; ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed \_\_\_\_\_ has been ☐ approved; ☐ disapproved (see explanation).
12. ☐ Acknowledgement is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received ☐ been filed in parent application, serial no. \_\_\_\_\_ filed on \_\_\_\_\_
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

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Art Unit: 2817

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application prior to a final rejection.

Accordingly, this application is not eligible for continued examination under 37 CFR 1.114. However, applicant's submission filed on 10 May 2005 has been entered as a proper response to the last non-final Office action, and an action on the merits follows:

The disclosure is objected to because of the following informalities: Note that reference label "W" appearing in Fig. 4 lacks description in the specification. Note that reference labels "16", appearing in Fig. 7, lacks explicit description relative to the specification description of Fig. 7. Appropriate correction is required.

Claims 27 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 27, note that it is unclear what characterizes the "conductive traces" being "embodied as vias" and whether such a recitation is consistent with the description of the invention. Clarification is needed.

The following claims have been found objectionable for reasons set forth below:

In claim 24, line 6, claim 28, line 7 and claim 31, line 15, note that "formed" should be rewritten as --disposed-- for an appropriate characterization at each occurrence.

In claim 24, line 12, claim 28, line 16 and claim 31, line 21, note that "forms" should be rewritten as --provides-- at each occurrence for an appropriate characterization.

In claims 29, 30, note that "formed" should be rewritten as --provided-- at each occurrence for an appropriate characterization.

In claim 30, line 2, note that "planed" should be correctly written as --plane--.

Art Unit: 2817

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 24, 26, 28, 30 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Kobayashi et al (of record), for reasons of record.

Claims 24, 27, 28, 29, 30 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Hoffman (of record), for reasons of record.

Claims 24, 26, 27, 28, 29, 30 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Wakeling (of record), for reasons of record.

Claim 31 is rejected under 35 U.S.C. 103(a) as being unpatentable over Forbes et al in view of either Kobayashi et al or Wakeling (all of record), for reasons of record.

Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kobayashi et al, Hoffman or Wakeling in view of Quan (all of record), for reasons of record.

Applicant's arguments with respect to claims 1-23 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

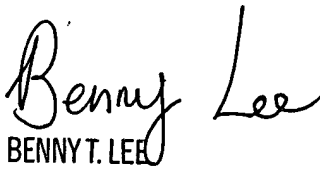
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

Art Unit: 2817

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 571 272 1764.

B. Lee

  
BENNY T. LEE  
PRIMARY EXAMINER  
ART UNIT 2817